



An Energy Efficiency Workshop & Exposition

Palm Springs, California

Its Not Just Energy

Steven C. Ganzer, CEM, CGD

Major Accounts Executive

Constellation Energy Source





Its Not Just Energy



June 2-5, 2002

www.energy2002.ee.doe.gov





Its Not Just Energy



June 2-5, 2002

www.energy2002.ee.doe.gov



Constellation
Energy Source.
A Member of the
Constellation Energy Group



Its Not Just Energy

- During President Eisenhower's term we looked at reducing our dependency on foreign oil.
- Today we import 10 million barrels of oil per day.
- This represents approximately 60 to 70% of our oil consumption.

June 2-5, 2002

www.energy2002.ee.doe.gov





Its Not Just Energy

- Café standards were first investigated in the 70's
- Recently congress has rejected increasing the standards.

June 2-5, 2002

www.energy2002.ee.doe.gov





Its Not Just Energy

- **Energy Reduction Drivers**
- **NECPA 1978:** Audit all federal buildings by 2004
- **EPAct 1992:** Mandated that all federal facilities reduce energy consumption by 10% between 1985 and 1995, and 20% reduction by 2000
 - Implement all ECMs with 10 yr payback.
- **EO 12902:** Mandated energy reduction of 30% by 2005
- **EO 13123:** Mandated energy reduction of 35% by 2010
 - Removed exemptions for industrial and lab facilities
 - Established baseline year as 1990 for I & L with 20% reduction by 2005 and 25% reduction by 2010
 - Establish green power goal of 2.5%

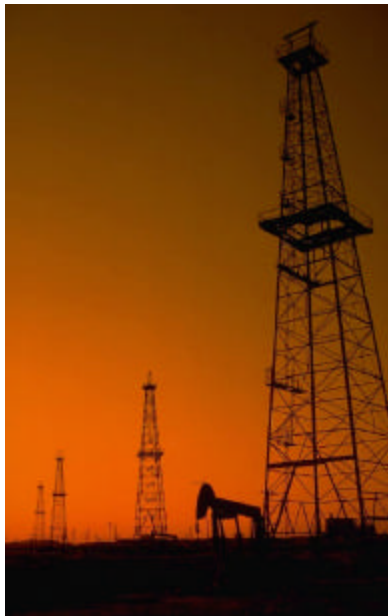
June 2-5, 2002

www.energy2002.ee.doe.gov





Its Not Just Energy



June 2-5, 2002

www.energy2002.ee.doe.gov



Constellation
Energy Source.
A Member of the
Constellation Energy Group



Its Not Just Energy

- Methods of Reducing Our Dependency
 - Use of Renewable Energy
 - Deregulation
 - Cooling, Heating, and Power (On-site Generation)
 - Geothermal
 - Energy Conservation

June 2-5, 2002

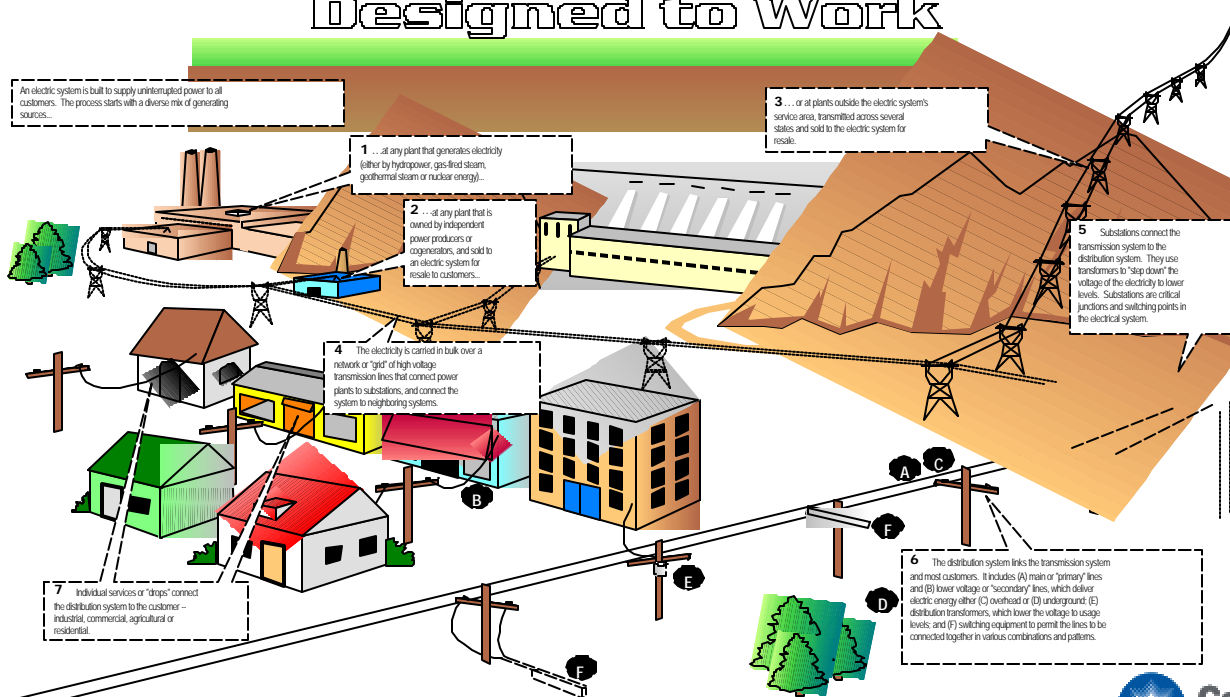
www.energy2002.ee.doe.gov





Its Not Just Energy

How an Electric System is Designed to Work



June 2-5, 2002

www.energy2002.ee.doe.gov



**Constellation
Energy Source.**
A Member of the
Constellation Energy Group



Its Not Just Energy

Alternative Financing



June 2-5, 2002

www.energy2002.ee.doe.gov



Constellation
Energy Source.
A Member of the
Constellation Energy Group



Its Not Just Energy

- Energy Project Financing
 - Energy Savings Performance Contract
 - Utility Area Wide Contract (Utility Energy Savings Contract)
 - General Services Administration Federal Supply Schedule Contract
 - Venture Capital Contract

June 2-5, 2002

www.energy2002.ee.doe.gov





Its Not Just Energy

- Facility Renovations
 - HVAC Systems
 - Water Systems
 - Electrical Upgrades
 - Energy Management Systems
 - Power Systems

June 2-5, 2002

www.energy2002.ee.doe.gov





Its Not Just Energy

On-Site Energy Managers

**Federal Agencies
have an on-site energy
manager whose job is to
pursue energy conservation and
efficiency at their facilities.**



June 2-5, 2002

www.energy2002.ee.doe.gov





Its Not Just Energy

□ New proposed energy legislation

- Energy Bank
- Trust Fund
- ESPC for New Construction
- Tax Credits for Geothermal
- Incentive Funds for New Technology (Fuel Cells, Micro turbines, Solar)
- Water Conservation



June 2-5, 2002

www.energy2002.ee.doe.gov